

Official

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RECEIVED**IN THE SPECIFICATION:**

Please replace the paragraph beginning on page 16, line 27 with the following new paragraph:

Therefore, the present invention provides an improved method, apparatus, and instructions for performing raster operations, which avoid the severe performance problems experienced with the overhead of repeatedly switching the video bus from input to output and back. The present invention provides this advantage through video accesses being grouped into batches of entirely input or entirely output operations. As a result, the number of delays encountered by waiting for the bus to change directions is minimized. By batching the input and output on each line, video performance may be doubled. Although the example in **Figure 7** shows the batching of reads, the same mechanism may be performed for the batching of writes. The input operations and output operations may be collected into batches of input operations and output operations in which these operations are substantially equal to the number of rasters in a video display.

IN THE CLAIMS:

Please cancel claims 7-10 and 32. A clean version of the entire set of pending claims is as follows:

1. (Twice Amended) A method in a data processing system for performing a raster operation of graphics data, wherein the data processing system includes a system memory and a video memory, wherein the system memory and the video memory are connected by a bus and wherein the graphics data is organized into picture elements, the method comprising the data processing system implemented steps of:

selecting a first plurality of picture elements from the system memory;